

TORRETTE TR ED-V RANGE

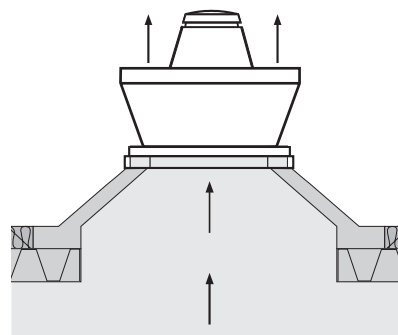
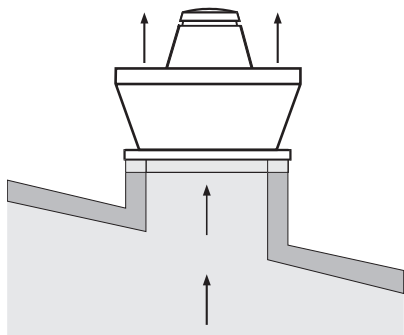
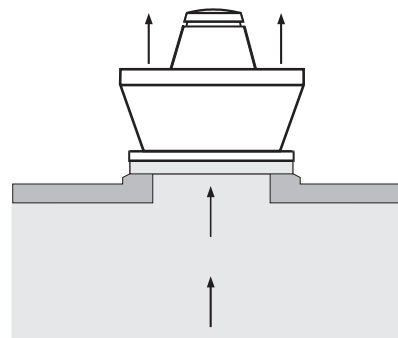
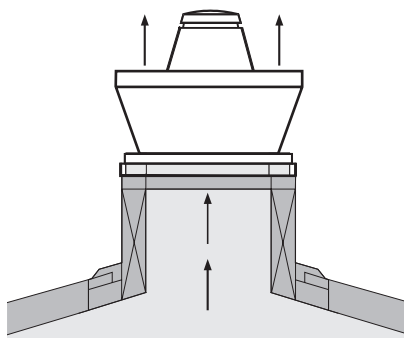
Centrifugal roof fans with horizontal discharge
for hot fumes extraction

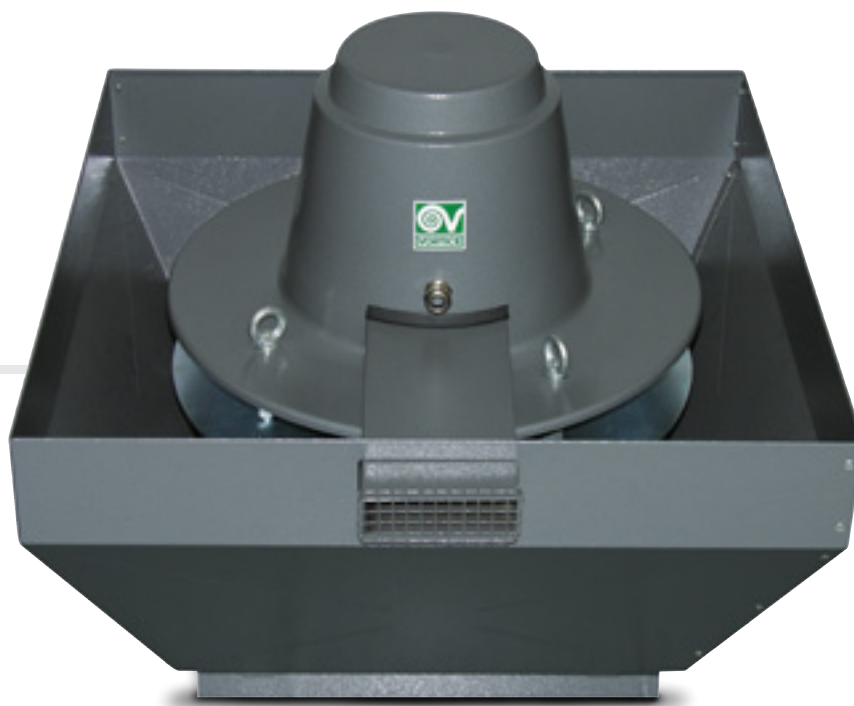
PRODUCT SPECIFICATIONS



Suitable for mounting on flat roofs of commercial, industrial buildings and blocks of flats, etc.

- 20 models: 6 single phase and 14 three phase.
- All models fitted with steel bird guard.
- Asynchronous induction motors, thermally protected, standard UNELMEC B5 size, ball bearing mounted shafts.
- Galvanised steel sheet fan with self cleaning, backward curved blades, self-ventilating, die casted aluminium hub, clockwise rotation (intake view).
- Streamlined cross-section intake port, made of polyester sheet steel painted.
- For long term safety each unit has a safety cable to anchor it to the base.
- Delivery: up to 18.000 m³/h.
- In countries that do not recognize the N°327/2011/UE European Regulation the usage is admitted for applications different from hot fumes treatment, ambient temperature between -25°C and +90°C.
- Motors insulation class H.
- Protection rating: IP55
- Insulation class: Cl.I Ⓣ.





KEY FEATURES

- Easy to install on all types of roof. For low dust, acid-free and non-corrosive air extraction only.
Not suitable for installation in ducts located directly above fireplaces or burners.
- Engineered for 2 hours continuous extraction of fumes at 400 °C according to EN 12101-3.
- Three-phase modes 10-150: 2 speeds; minimum speed not available for hot fumes extraction.

TECHNICAL DATA

Models	Code	V ~ 50 Hz	W min/max	A min/max	Poles	RPM min/max	Max Airflow		Max Pressure		Lp dB(A)*	Max °C	Kg
							m ³ /h min/max	l/s min/max	mm H ₂ O min/max	Pa min/max			
TRM 10 ED-V 4P	15160	230	100	0.45	4	1450	1000	278	20	196	56	400 °C/2h	32
TRM 15 ED-V 4P	15162	230	130	0.57	4	1400	1400	389	24	235	58.5	400 °C/2h	33
TRM 20 ED-V 4P	15164	230	250	1.20	4	1400	2200	611	34	334	68	400 °C/2h	61
TRM 30 ED-V 4P	15166	230	410	1.75	4	1380	3100	861	40	392	67	400 °C/2h	63
TRM 50 ED-V 4P	15168	230	720	3.30	4	1350	4500	1250	52	510	72.5	400 °C/2h	68
TRM 70 ED-V 4P	15170	230	1000	4.35	4	1350	5800	1611	65	638	77	400 °C/2h	130
TRT 10 ED-V 4P	15161	400	75 100	0.15 0.25	4	1250 1400	890 1100	247 306	17 21	167 206	56	400 °C/2h	33
TRT 15 ED-V 4P	15163	400	85 125	0.15 0.27	4	1100 1400	1100 1400	306 389	16 24	157 235	58.5	400 °C/2h	33
TRT 20 ED-V 4P	15165	400	200 250	0.35 0.50	4	1100 1420	1800 2200	500 611	24 34	235 334	68	400 °C/2h	61
TRT 30 ED-V 4P	15167	400	300 410	0.50 0.70	4	1100 1380	2555 3100	710 861	30 43	294 422	67	400 °C/2h	63
TRT 50 ED-V 4P	15169	400	550 710	0.90 1.25	4	1100 1380	3800 4500	1056 1250	38 52	373 510	72.5	400 °C/2h	68

Single - phase

Three - phase

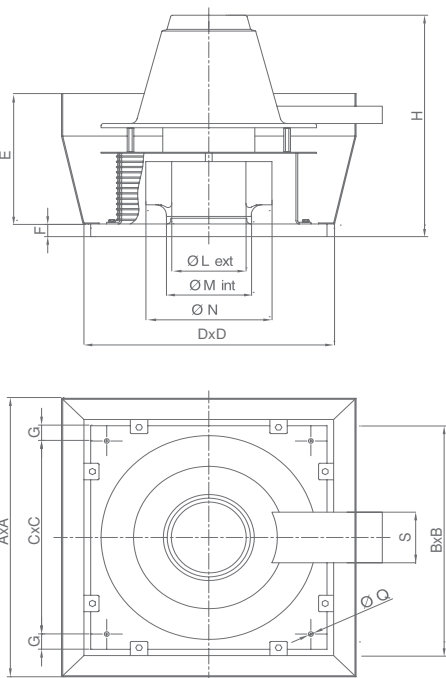
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Centrifugal roof fans with horizontal discharge for hot fumes extraction

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Models	Code	V ~ 50 Hz	W min/max	A min/max	Poles	RPM min/max	Max Airflow		Max Pressure		Lp dB(A)*	Max °C	Kg
							m³/h min/max	l/s min/max	mm H ₂ O min/max	Pa min/max			
TRT 70 ED-V 4P	15171	400	900 1100	1.50 2.00	4	1200 1400	5300 6000	1472 1667	52 67	510 657	77	400 °C/2h	128
TRT 70 ED-V 6P	15172	400	450 620	0.90 1.30	6	760 940	5300 6000	1472 1667	30 38	294 373	74	400 °C/2h	131
TRT 100 ED-V 4P	15173	400	1400 1870	2.40 4.50	4	1180 1400	8300 9100	2306 2528	72 84	706 824	84	400 °C/2h	132
TRT 100 ED-V 6P	15174	400	800 1110	1.60 2.30	6	760 940	7550 8600	2097 2389	38 47	373 461	77	400 °C/2h	207
TRT 100 ED-V 8P	15175	400	700 810	1.30 2.00	8	610 720	8200 9200	2278 2556	28 34	275 334	71	400 °C/2h	217
TRT 150 ED-V 6P	15176	400	1470 1880	2.45 3.45	6	710 920	11000 12800	3056 3556	42 59	412 579	80	400 °C/2h	218
TRT 150 ED-V 8P	15177	400	1170 1450	2.15 2.95	8	540 720	11600 13500	3222 3750	34 42	334 412	74	400 °C/2h	222
TRT 180 ED-V 6P	15178	400	3200	6.11	6	950	16500	4583	79	775	83	400 °C/2h	220
TRT 210 ED-V 6P	15179	400	3460	6.42	6	950	18000	5000	80	785	84	400 °C/2h	222

DIMENSIONS



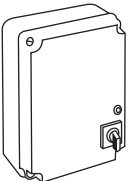
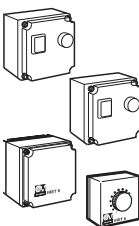
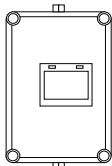
Models	ØA	ØB	ØC	D	E	F	G	H	ØL	ØM	ØN	ØQ	R	S
TRM 10 ED-V 4P	652	410	357	440	328	38	26.5	538	183	187.5	284	11	40	134
TRM 15 ED-V 4P	652	410	357	440	328	38	26.5	538	206	211	319	11	40	134
TRM 20 ED-V 4P	907	550	500	580	432	38	25	653	231	236.5	359	11	40	158
TRM 30 ED-V 4P	907	550	500	580	432	38	25	653	260	265.5	404	11	40	158
TRM 50 ED-V 4P	907	550	500	580	432	38	25	669	292	298	454	11	40	158
TRM 70 ED-V 4P	1144	830	750	860	491	38	40	723	328	335	504	12	50	194
TRT 10 ED-V 4P	652	410	357	440	328	38	26.5	538	183	187.5	284	11	40	134
TRT 15 ED-V 4P	652	410	357	440	328	38	26.5	538	206	211	319	11	40	134
TRM 20 ED-V 4P	907	550	500	580	432	38	25	653	231	236.5	359	11	40	158
TRM 30 ED-V 4P	907	550	500	580	432	38	25	653	260	265.5	404	11	40	158
TRM 50 ED-V 4P	907	550	500	580	432	38	25	669	292	298	454	11	40	158
TRM 70 ED-V 4P	1144	830	750	860	491	38	40	723	328	335	504	12	50	194
TR 70 ED-V 6P	1144	830	750	860	491	38	40	723	365	375	564	12	50	194
TR 100 ED-V 4P	1144	830	750	860	491	38	40	723	365	375	564	12	50	194
TR 100 ED-V 6P	1462	980	900	1010	595	38	40	923	415	421	635	12	50	194

DIMENSIONS

Models	A	B	C	D	E	F	G	H	ØL	ØM	ØN	ØQ	R	S	
Three - phase	TR 100 ED-V 8P	1462	980	900	1010	595	38	40	923	465	472	715	12	50	194
	TR 150 ED-V 6P	1462	980	900	1010	595	38	40	923	465	472	715	12	50	194
	TR 150 ED-V 8P	1462	980	900	1010	595	38	40	923	520	529	805	12	50	194
	TR 180 ED-V 6P	1462	980	900	1010	595	38	40	923	520	529	805	12	50	194
	TR 210 ED-V 6P	1462	980	900	1010	595	38	40	923	520	529	805	12	50	194

Dimensions (mm)

ACCESSORIES

	Description	code	Product
	IRM 30 - Three position single phase speed controller	12921	15160 - 15162
	IRM 40 - Three position single phase speed controller	12922	15164 - 15166
	IRM 50 - Three position single phase speed controller	12928	15168
	IRT 15 - Three position three phase speed controller	12923	15161 - 15163 - 15165
	IRT 35 - Three phase variable voltage drive	12924	15167 - 15169 - 15172 - 15175
	IRT 40 - Three position three phase speed controller	12927	15171 - 15174 - 15177
	IREM 3 - Single - phase speed controller	12931	15160 - 15162 - 15164 - 15166
	IREM 5 - Single - phase speed controller	12932	15168
	IREM 9 - Single - phase speed controller	12933	15170
	IRET 6 - Three - phases speed controller	12934	15171 - 15172 - 15173 - 15174 - 15175 - 15176 - 15177
	IRET INVERTER 1.2 - Three- phase speed controller INVERTER	12909	15161- 15163 - 15165 - 15167
	IRET INVERTER 2.2 - Three - phase speed controller INVERTER	12925	15169 - 15171 - 15172 - 15175
	IRET INVERTER 5 - Three - phase speed controller INVERTER	12947	15173 - 15174 - 15176- 15177
	IRET INVERTER 8 - Three - phase speed controller INVERTER	12989	15178 - 15179

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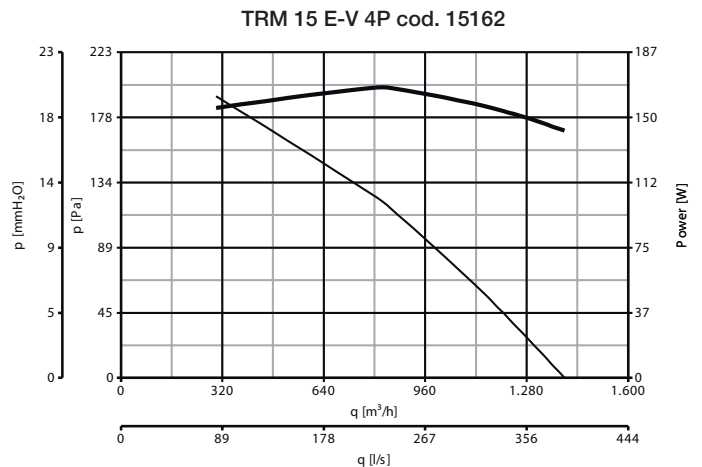
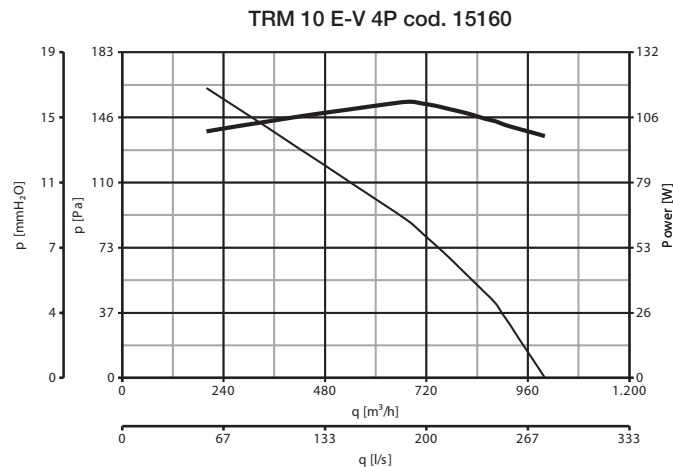
Centrifugal roof fans with horizontal discharge for hot fumes extraction

ACCESSORIES

	Description	Code	Product
	IREM INVERTER 4M - Single - phase speed controller	12815	15160 - 15162 - 15164 - 15166
	IREM INVERTER 6 M - Single - phase speed controller	12818	15168 - 15170
	IRET INVERTER 2.5 M - Three - phase speed controller	12816	15161 - 15163 - 15165 - 15167 - 15169 - 15171 15172 - 15175
	IRET INVERTER 5 M - Three - phase speed controller	12817	15173 - 15174 - 15176 - 15177
	POTENTIOMETER	12819	12815 - 12816 - 12817 - 12818
	TR-CU - 10/15 Sub - frame	22511	15160 - 15161 - 15162 - 15163
	TR-CU - 20/30/50 Sub - frame	22512	15164 - 15165 - 15166 - 15167 - 15168 - 15169
	TR-CU - 70/100 Sub - frame	22539	15170 - 15171 - 15172 - 15173
	TR-CU - 100/150/180/210 Sub - frame	22540	15174 - 15175 - 15176 - 15177 - 15178 - 15179
	TR-G - 10/15 Intake port protection grille	22700	15160 - 15161 - 15162 - 15163
	TR-G - 20/30/50 Intake port protection grille	22710	15164 - 15165 - 15166 - 15167 - 15168 - 15169
	TR-G - 70/100 Intake port protection grille	22506	15170 - 15171 - 15172 - 15173
	TR-G - 100/150/180/210 Intake port protection grille	22507	15174 - 15175 - 15176 - 15177 - 15178 - 15179

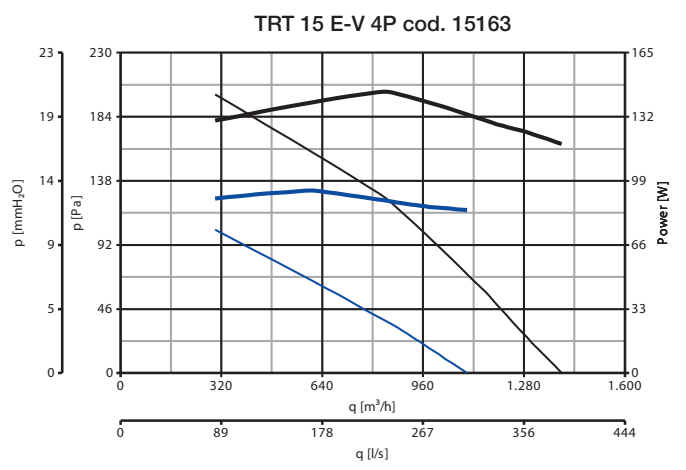
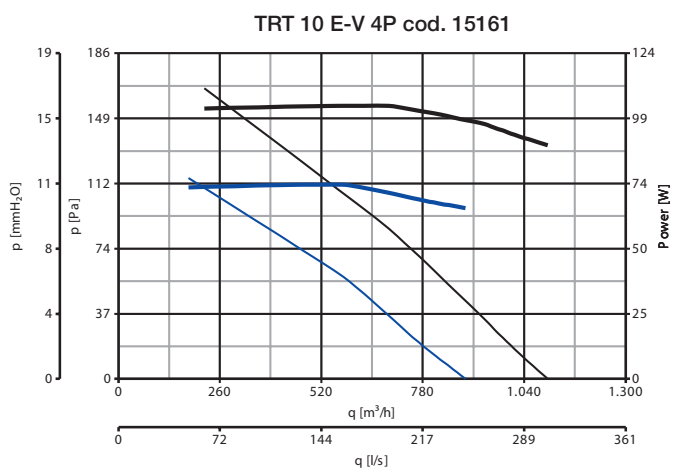
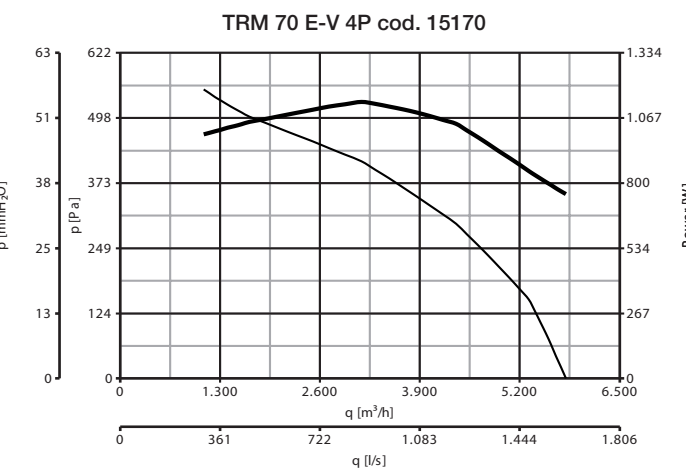
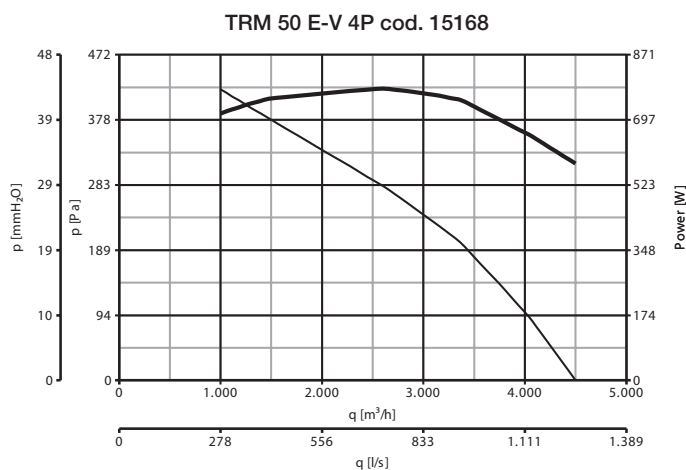
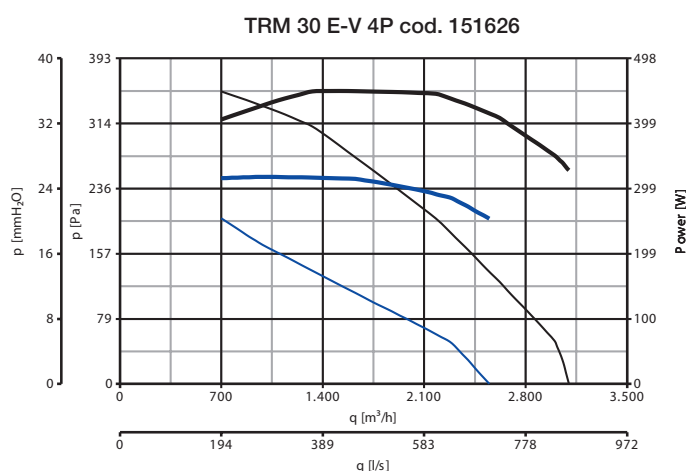
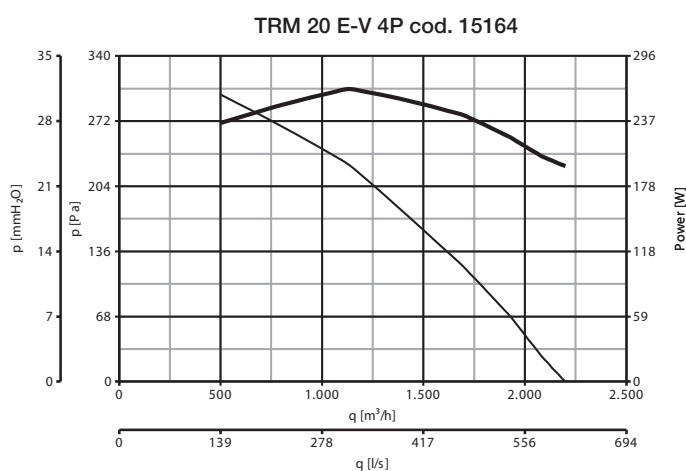
PERFORMANCE CURVES

— P= power consumption — ps = delivery



PERFORMANCE CURVES

— P_1 = power consumption — ps_1 = delivery — P_2 = power consumption — ps_2 = delivery



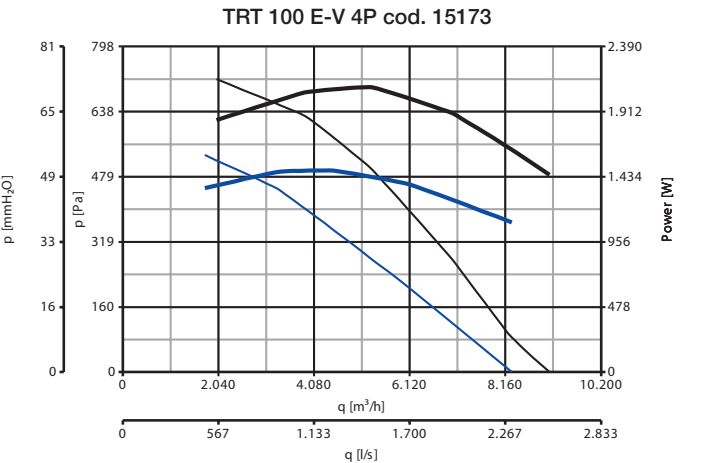
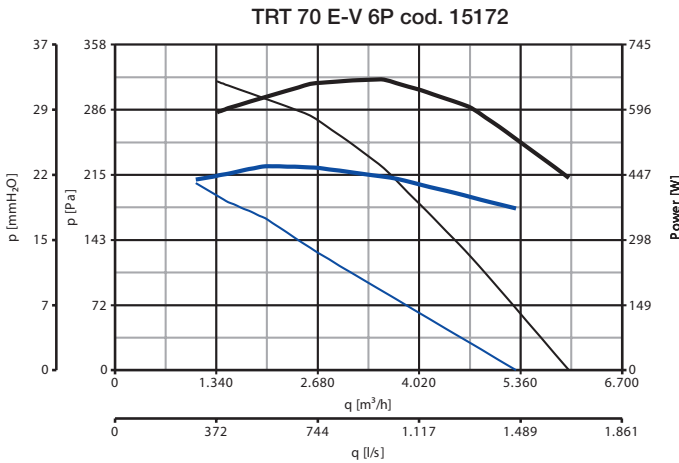
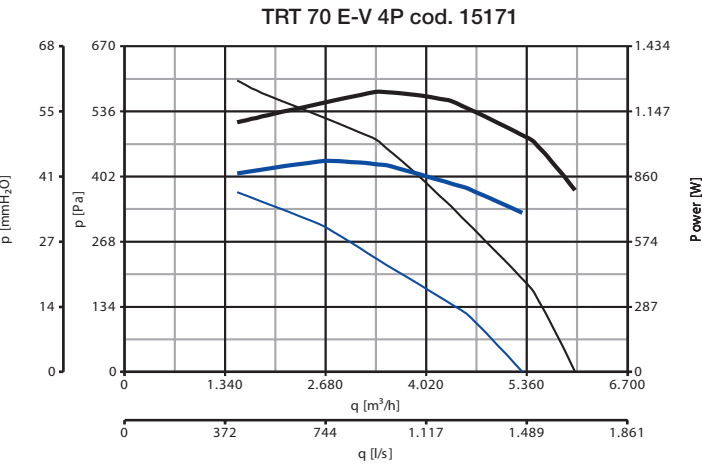
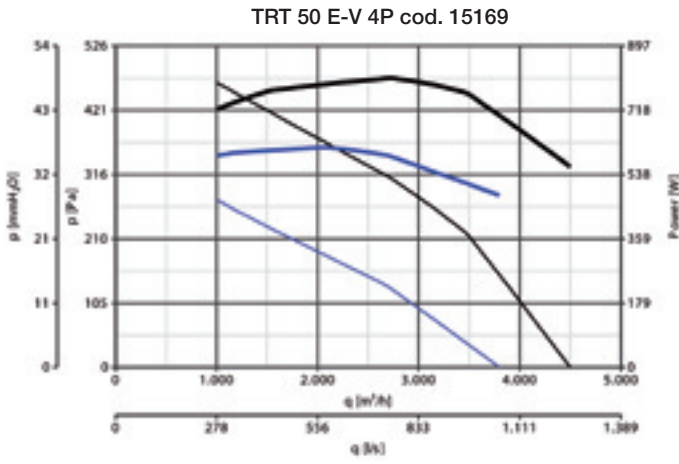
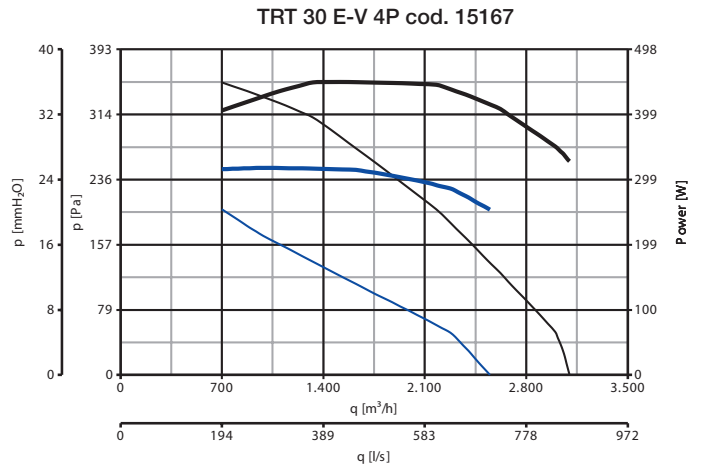
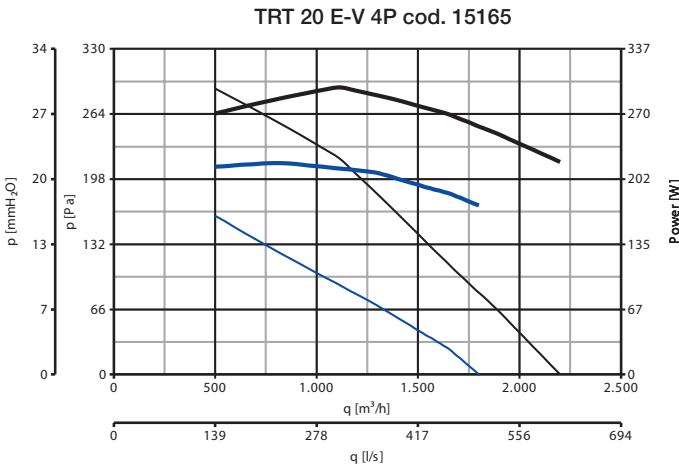


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